

Amendment to the Specification:

Please refer to the Patent Application Publication US 2003/0074836 A1 for all page numbering and paragraph numbering.

Please amend on Page 1, ¶¶ [0004]-[0008] as follows:

~~— This is where The Cypress Project comes into vision. It is so simple that it is hard to believe we are not already doing it.~~

~~I've designed a way to put tree's and plant's on barren rooftops and using the condensate water from the air conditioning to saturate them. The slime and algae will fertilize them. We can also provide shade for the building which will cut down energy usage and is a great insulator.~~

~~The most important thing this will do is help clean out the environment, for future mankind. Just think of the area we are talking about, whole cities have a great amount buildings, structures, homes for the development of The Cypress Project.~~

~~We can construct homes with concrete roofs and parapit walls on them and mount the a/c unit on top, in doing this we can figure out how much pollution the people are causing by their vehicles, household products, lawnmowers, and put the amount of vegetation on the rooftop to make up the difference in what they are polluting. Also other trees around there homes would help in the industrial world. We can do the same for factories that pollute the air. We make whole structures specifically designed to hold water and plants.~~

~~The ocean can also benefit from The Cypress Project as we can make a structure in a square large area with sea plants all over them as many as needed and the factories pollutants can come right into the middle of the area. This is how big The Cypress Project can or will become.~~

A plant watering, conservation, and air pollution control system, comprises a planter having a base, sidewalls, at least one drain hole, and vegetation root anchors depending from interior surfaces of said planter; and an upwardly directed funnel having side overflow means in fluid communication with one of said interior surfaces of said planter; and a float switch in electrical communication with a vegetation sprinkler system, said float switch disposed within said funnel at a horizontal level of said planter to which filling thereof is desired.

It is an object of the invention to provide a means of maintaining trees and large plants within planters resting upon concrete surfaces, roofs and balconies.

It is another object to provide a plant watering, conservation and air pollution control system.

The above and yet other objects and advantages of the present invention will become apparent from the hereinafter Brief Description of the Drawings, Detailed Description of the Invention and Claims appended herewith.

Please amend on Page 1 and 2, ¶¶ [0009]-[0044] as follows:

Description of Drawings

~~My invention is designed with Florida in mind because of hurricanes. Making an aluminum planter that the roots can grasp the inside of it and have legs on it to bolt down to the roof and be able to remove it in hole if we need to reroof the roof from leaks.~~

~~—— If a hurricane hits the trunk will stay but the branches will come off.~~

~~—— I have an article from NASA given to me that has proof in what I am saying. I do not believe we should give up on the outside environment so quickly. What will man do if the other man is working in clean air buildings and the other man has to work outside. Do not let man have the same fate as what we have round on Mars and the Biodome if it is really there.~~

~~I have also made a water saver system for roofs that have no a/c units or emergency water in case of a drought. Using a common sprinkler system, the Cypress water saver is deigned to turn the pump off when it rains.~~

~~I would like to call the new trades man for this construction The Cypress Tradesman.~~

Identifying Indicia

- ~~—— A.) Planter will be made out of aluminum, including legs, to be able to last for decades and being bolted down to a concrete roof up to code. I am currently working with an engineer to make sure the plants will stay and the tree trunk will stay in place and only branches will fly off.~~
- ~~B.) Top view showing inside of planter before dirt is added. Showing the root~~
 - ~~—— Brackets to let the roots grasp them and the 3 drain holes.~~
- ~~C.) Drain holes will be in round to let the water come out 4 inches in diameter. D.) Root brackets will be made of aluminum from 5 inches long 5/16 wide for bush planters. Tree planters will be bigger of course 7 inches long to Y2 thick. Bolted in from the outside after hole is drilled through planter washers will also be used.~~
- ~~—— E.) Planters legs will be adjustable for different roof thickness and to lift planter up to roof to redo roof when a leak occurs also all aluminum. Bolts thru legs will be made a stainless steel to be stronger, top of legs to bottom of planter will be welded on all cypress planters. Support rails where necessary.~~
- ~~—— F.) Large cypress planter for cypress or oak trees. Shown here we have 8 I beams with the darker one's on the bottom of the planter. Spot welded to the planter and the other four placed on top of the other. You will have a 4 inch gap between the I beams going from left to right. Getting the roots. Go under the I beams making the tree stay in place even when a hurricane comes by the building will have to blow down to remove the tree. There will also be shade plant's in the planter around the tree or tree's also the root brackets will be in~~
 - ~~—— place to let small roots grasp the cypress planter.~~

G.) I beam and aluminum rails.

H.) Side view showing inside the planter and leg assembly there will be 16 legs in total.

3.) Bar joist roof application system. Depending on space of bar joices usually 4 ft but large commercial buildings same time have up to 10ft but will be done with the same engineer drawings to pass Florida code which is the toughest code in America.

J.) Side view with tree and plants.

4.K.) New York showing use of The Cypress Project using cypress side wall planters.

L.) Side wall planter being bolted with red head 3/8 concrete bolts or other to hold planter to wall

M.) Inside side wall planter many different sizes will be made depending on the application.

5.) Looking down at a roof showing how an a/c package unit waters the planters all year round and feeds them. Only 2 planters can be fed by one a/c unit to prevent future problems, drain lines clogging. Also on some roofs where stairs and doors provide regular access to the roof. I will make a aluminum bench bolted to the roof. For getaway or to look up to the heavens.

6.) Many planters on only one air conditioner.

0.) A/C unit feeding planter wit a condensate pump attachment with a float switch in it that shuts the a/c unit off, Telling the customer or homeowner to check on there tree's by calling a qualified a/c company.

P.) Suction line condensate watering sideview system. By letting the suction line run along the top of the planter with no installation which will cause it to seat we will make beads of soder under the suction line and it will drip in that spot. Will probably have to fertilize the planters.

Q.) Top view of suction line condensate watering system

R.) Making a larger condensate pump so it will not clog up so quickly with slime. 7.) Condensate pump watering many plants.

8.) Cypress project water saver. Desinged for the project that has no air conditioners on rooftops. It will be hooked up to the buildings sprinkler system or put pump and water supply on roof where applicable. It is designed to not over water trees. During the rainy season which when the saver fills up from a storm will cause the float switch to rise cutting power to the sprinkler pump and when it evaporates. The sprinkler time will still be running so only when it rains will it operate by not allowing power from the time to go to the pump motor. It will be able to use on many applications around the world.

8.S) Cypress projects water saver, saver. This one is designed to use without electricity. The rain water goes in and fills the bottom casuing the float switch to rise making a contact open breaking on 240-volt leg to the sprinkler pump. Not letting it come on till the water evaporates.

Table:

A) Plastic float arm

- B) Overflow hole
- C) Float
- D) Contacts
- E) Emergency overflow hole
- F) Special designed contacts
- G) Access holes, Knockout for electricity from pump and back to pump.

BRIEF DESCRIPTION OF THE DRAWINGS

Fig. 1 is a front elevational view of the inventive structure.

Fig. 2 shows a plant anchor used within the planter.

Fig. 3 is a top plan view of Fig. 1.

Fig. 4 is an enlarged vertical cross-sectional view of Fig. 1, showing earth therein.

Fig. 5 is a front breakaway view of Fig. 1 showing the plant foot anchors.

Fig. 6 is a view of the float switch mechanism.

Fig. 7 is a top plan view of Fig. 6.

Fig. 8 is an operational view of the inventive system.

Fig. 9 is an enlarged interior view of the planter and its root anchoring system.

Fig. 10 is an operational view of the system.

Fig. 11 is a system view showing the use of condensate from an air conditioning system.

Fig. 12 shows use of the inventive system upon a high rise structure.

Fig. 13 is a view of a further embodiment of the system.

Figs. 14-15 show a marine application of the present system.

Please amend on Page 2, ¶¶ [0045]-[0047] as follows:

~~9. V) The future of The Cypress Project using the same principle in the oceans as the air. By building a structure in the ocean so when pollutants from factories can emerge right into a weed forest that will start cleaning it out in that immediate area.~~

~~T.) Having a parking lot under water many stories with 5 windows in the concrete ceilings to let light shine through the structure with it full of plant life will also attract ocean life. Yes we can build it on the land next to a factory using the same process.~~

~~U.) Making ceramic roof tile with grooves on it so grass can be put on it and grab hold of it and a lip on the bottom edge to hold the dirt from sliding off. I know of certain grasses that do not grow tall. But outward.~~

DETAILED DESCRIPTION OF THE INVENTION

With reference to Figs. 1, 4, 5 and 8, there is shown a planter 20, preferably disposed on a roof or concrete surface 22. In a preferred embodiment, said planter 20 includes four contiguous sidewalls 24, support legs 26 and a multiplicity of root anchors 28, the purpose of which is to enhance engagement between the root systems 29 of vegetation 30 in earth 31 and sidewalls 24 of said planter 20 (see Figs. 9-10). As may be noted with reference to Figs. 2 and 5, a proximal end 32 of each anchor 28 may comprise a shredded portion which may be rigidly secured by nut means 33, to a sidewall 24 of the planter 20. A distal end 34 of each anchor 28 may comprise a semicircular element (see Fig. 2) to thereby facilitate engagement with roots 29 of vegetation 30 within planter 20.

Said planter 20 also includes one or more drainage holes 36 which, as may be noted in Figs. 3 and 5, may assume various cross-sectional geometries. The planter 20 is also provided with sidewall overflow holes 38 (see Fig. 4) which, typically represent a predetermined level for water or moisture within the planter, so that in a event of excessive rain or watering in the planter, excess water may begin to escape through said overflow holes 38 before overflowing of the planter were to occur.

In the embodiment of Figs. 6 and 8 is shown a funnel 40 which includes a float switch 42 and a side overflow hole 44 which is in fluid communication with a moisture level 46 inside of the planter at, or slightly beneath, the uppermost level of earth or of said overflow holes 38. As may be noted, a mouth 48 of the funnel 40 is positioned to accumulate rainfall and water from a sprinkler system 50 to substantially the same extent as the planter itself. Thereby, when water 51 within the funnel falls below the level of side overflow hole 44, sprinkler system pump 52 will actuate thereby turning on vegetation sprinklers 50 providing water 54 to plants, trees, or vegetation 30 within the planter 20. Shown in Fig. 7 is a screen 49 which is positioned in mouth 48 of funnel 40.

It should be appreciated that a moisture sensor (not shown) may be positioned within planter 20 to accomplish the same function as above described with reference to float switch 42.

In a further embodiment of the invention (see Fig. 11) a condensate pump 56 is attached to an air conditioning unit 58 that, through condensate lines 60, enable condensate to be provided to a plurality of planters 20, 20a and 20b. Therein, a fluid sensor means disposed either within said earth 31 of the planters or said float switch 42 serve as a means of actuation and interruption of the flow of compensate from pump 56 through lines 60, this as a function of said moisture level 46 (see Fig. 8) within planter 20. It is to be appreciated in a sprinkler system various 50 arrangements of condensate pump 56, air conditioner 58 and planters 20 may be provided.

The positioning of the present system on group surfaces 22 and sides 62 of a building 64 is shown in Fig. 12. Accordingly, balconies 66 of the building may be used in

lieu of a roof to support the system. Therein, the planter may be employed without the use of legs 26, if desired.

In Fig. 13 is shown a further embodiment in which strips 68 are embedded within sidewalls 24 to provide thermal values which may be required by certain types of trees, or other vegetation, particularly when the present system is used in colder climates. Therein, a dedicated heater 70 is associated with the respective heat strips 68.

In Figs. 14 and 15 is shown use concept of the present invention in an aquatic or marine environment 71 in which a condensate line 160 is in fluid communication with an output from a factory 72. Therein, transported condensate may comprise any non-toxic liquid output of the factory having some nutritional value to marine plant life 74. Therein, planters 120 (see Fig. 14) may be either stacked in a vertical fashion or, as is shown in Fig. 15, arranged in circular arrangement, or a combination of both may be employed. In the concept of Figs. 14 and 15, after the marine vegetation 74 has grown to a sufficient extent, the planters may be removed from ocean 71 and harvested.

While there has been shown and described the preferred embodiment of the instant invention it is to be appreciated that the invention may be embodied otherwise than is herein specifically shown and described and that, within said embodiment, certain changes may be made in the form and arrangement of the parts without departing from the underlying ideas or principles of this invention as set forth in the Claims appended herewith.